



# Wind Chill Chart



|            |      | Temperature (°F) |    |    |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|------------|------|------------------|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|            |      | 40               | 35 | 30 | 25 | 20  | 15  | 10  | 5   | 0   | -5  | -10 | -15 | -20 | -25 | -30 | -35 | -40 | -45 |
| Wind (mph) | Calm | 40               | 35 | 30 | 25 | 20  | 15  | 10  | 5   | 0   | -5  | -10 | -15 | -20 | -25 | -30 | -35 | -40 | -45 |
|            | 5    | 36               | 31 | 25 | 19 | 13  | 7   | 1   | -5  | -11 | -16 | -22 | -28 | -34 | -40 | -46 | -52 | -57 | -63 |
|            | 10   | 34               | 27 | 21 | 15 | 9   | 3   | -4  | -10 | -16 | -22 | -28 | -35 | -41 | -47 | -53 | -59 | -66 | -72 |
|            | 15   | 32               | 25 | 19 | 13 | 6   | 0   | -7  | -13 | -19 | -26 | -32 | -39 | -45 | -51 | -58 | -64 | -71 | -77 |
|            | 20   | 30               | 24 | 17 | 11 | 4   | -2  | -9  | -15 | -22 | -29 | -35 | -42 | -48 | -55 | -61 | -68 | -74 | -81 |
|            | 25   | 29               | 23 | 16 | 9  | 3   | -4  | -11 | -17 | -24 | -31 | -37 | -44 | -51 | -58 | -64 | -71 | -78 | -84 |
|            | 30   | 28               | 22 | 15 | 8  | 1   | -5  | -12 | -19 | -26 | -33 | -39 | -46 | -53 | -60 | -67 | -73 | -80 | -87 |
|            | 35   | 28               | 21 | 14 | 7  | 0   | -7  | -14 | -21 | -27 | -34 | -41 | -48 | -55 | -62 | -69 | -76 | -82 | -89 |
|            | 40   | 27               | 20 | 13 | 6  | -1  | -8  | -15 | -22 | -29 | -36 | -43 | -50 | -57 | -64 | -71 | -78 | -84 | -91 |
|            | 45   | 26               | 19 | 12 | 5  | -2  | -9  | -16 | -23 | -30 | -37 | -44 | -51 | -58 | -65 | -72 | -79 | -86 | -93 |
|            | 50   | 26               | 19 | 12 | 4  | -3  | -10 | -17 | -24 | -31 | -38 | -45 | -52 | -60 | -67 | -74 | -81 | -88 | -95 |
|            | 55   | 25               | 18 | 11 | 4  | -3  | -11 | -18 | -25 | -32 | -39 | -46 | -54 | -61 | -68 | -75 | -82 | -89 | -97 |
| 60         | 25   | 17               | 10 | 3  | -4 | -11 | -19 | -26 | -33 | -40 | -48 | -55 | -62 | -69 | -76 | -84 | -91 | -98 |     |

Frostbite Times  30 minutes  10 minutes  5 minutes

$$\text{Wind Chill (°F)} = 35.74 + 0.6215T - 35.75(V^{0.16}) + 0.4275T(V^{0.16})$$

Where, T= Air Temperature (°F) V= Wind Speed (mph)

Effective 11/01/01